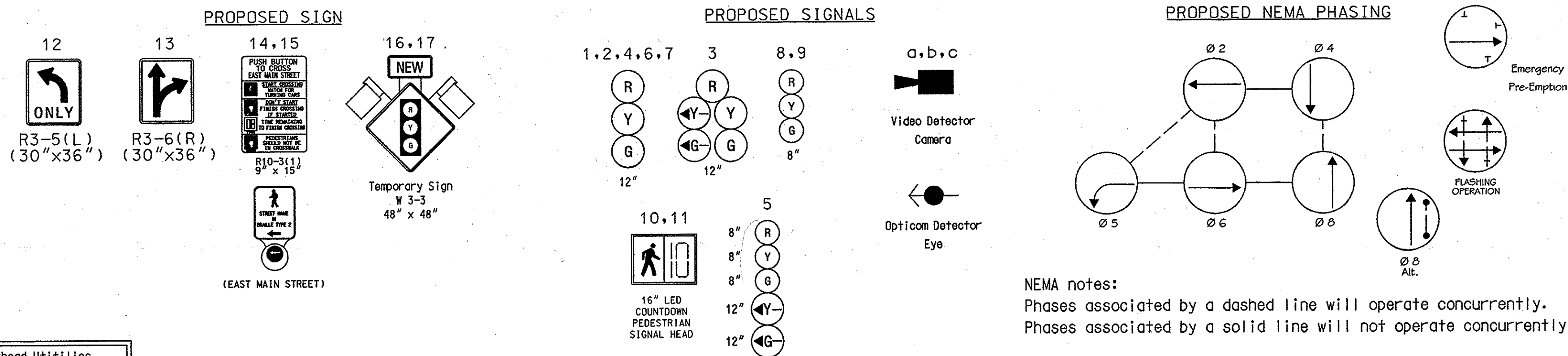
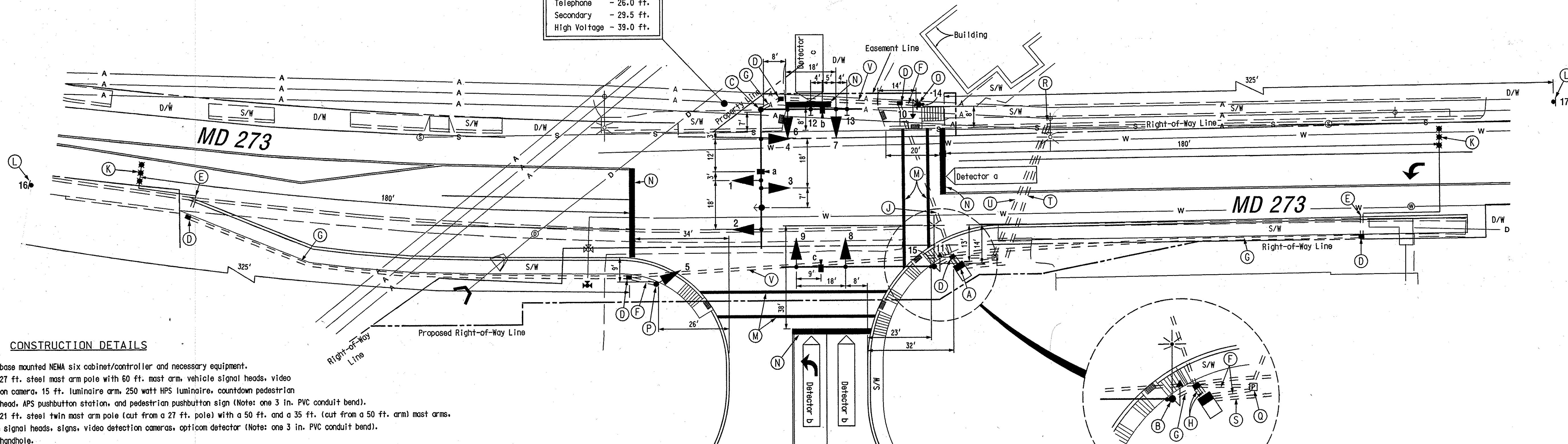


MD 273 (Main Street) is considered to run in an East/West direction.



Overhead Utilities
CATV - 20.5 ft.
Telephone - 26.0 ft.
Secondary - 29.5 ft.
High Voltage - 39.0 ft.



CONSTRUCTION DETAILS

- Install base mounted NEMA six cabinet/controller and necessary equipment.
- Install 27 ft. steel mast arm pole with 60 ft. mast arm, vehicle signal heads, video detection camera, 15 ft. luminaire arm, 250 watt HPS luminaire, countdown pedestrian signal head, APS pushbutton station, and pedestrian pushbutton sign (Note: one 3 in. PVC conduit bend).
- Install 21 ft. steel twin mast arm pole (cut from a 27 ft. pole) with a 50 ft. and a 35 ft. (cut from a 50 ft. arm) mast arms, vehicle signal heads, signs, video detection cameras, opticom detector (Note: one 3 in. PVC conduit bend).
- Install handhole.
- Install 1 in. liquid tight flexible conduit for loop detector lead-in.
- Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trench.
- Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trench.
- Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trench.
- Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted.
- Install micro-loop probe (set of 3).
- Install ground mounted sign as shown.
- 12 in. wide pavement marking - white for crosswalk to be installed by Road Contractor.
- 24 in. wide pavement marking - white for stop line to be installed by Road Contractor.
- Install 10 ft. steel pedestal pole on break away base with countdown pedestrian signal head, APS pushbutton station, and pedestrian pushbutton sign (Note: one 2 in. PVC conduit bend).
- Install 14 ft. steel pedestal pole on break away base with vehicle signal head (Note: one 2 in. PVC conduit bend).
- Install metered service pedestal for an underground electrical service per MD-SHA Typical (807.05-01).
- Install conduit bend at base of utility pole for electrical service by Connectiv.
- Proposed phone service by Verizon.
- Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted for Phone service.
- Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted for Electrical service.
- Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.

Rising Sun Shopping Center Western Site Access

NOTES

- Conduit to be installed prior to installation of sidewalks.
- The contractor shall verify all proposed pole and cabinet locations prior to installation.
- Pavement markings detailed are proposed and are to be installed by the Road Contractor in accordance with MD-SHA standards. All other pavement markings are to be considered as existing.
- Geometrics shall be confirmed prior to the installation of signal equipment. All traffic signal foundations shall be installed at final sidewalk or curb grade. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
- Poles are to be located so that they can be activated by a person in a wheelchair from a 60 in. x 60 in. level landing area. A level landing area is an area with a cross slope of less than or equal to 2%.
- If the location of accessible pedestrian signal pushbutton must be changed. The contractor shall notify the Project Engineer to obtain approval for the new location to ensure MUTCD Sec. 4E.09 & Fig. 4E-2 and the NCHRP publication, "Accessible Pedestrian signals: Guide to Best Practice". If not met, the Contractor is to stop work on pushbutton locations until a design waiver is obtained, approved by the director, Office of Traffic and Safety.
- All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.
- Contractor shall be responsible for delivering APS equipment for programming to MD-SHA Signal Maintenance Shop.
- Pushbuttons are to be located so that a pedestrian in a wheelchair located on the level landing area, does not have to reach more than 18".
- The 10 ft. separation between pushbuttons is to be measured from face of pushbutton to face of pushbutton, not center to center of pole.

GEOMETRIC LEGEND
EXISTING
PROPOSED

DETECTOR ZONE

UTILITY LEGEND
D - DRAIN
G - GAS MAIN
W - WATER MAIN
S - SEWER MAIN
E - ELECTRIC CABLES
A - AERIAL CABLES
T - TELEPHONE CABLES
F - FIBER-OPTIC



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APPROVALS	REVISIONS
TEAM LEADER 2/13/08	
ASST. DIV. CHIEF 2/13/08	
DIVISION CHIEF 2/13/08	
OFFICE DIRECTOR 2/13/08	

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 273 (Main Street) at Western Site Access
Rising Sun Shopping Center

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE February 6, 2008 CONTRACT NO. BW996M82
DESIGNED BY J. Dirndorfer COUNTY CECIL
DRAWN BY J. Dirndorfer LOGMILE
CHECKED BY Bruce Thompson 2/6/08 TIMES NO. I-016
FAP NO. N/A TOD NO.
TS NO. 4511 DRAWING N/A OF SHEET NO. 1 OF 3

PLOTTED: Tuesday, February 05, 2008 AT 09:39 AM
FILE: P:\2005\2005-1012\05\ts-signal\ Revised 01-08.dgn